

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 09093868 A

(43) Date of publication of application: 04.04.1997

(51) Int. Cl. H02K 9/06

B61C 3/00, H02K 1/32, H02K 5/24, H02K 17/16

(21) Application number: 07274949

(22) Date of filing: 28.09.1995

(71) Applicant: TOYO ELECTRIC MFG CO LTD

(72) Inventor: KAWABATA KAZUAKI
KIYAMA NOBUKI

(54) MAIN MOTOR FOR VEHICLE

6 of axial fan 4A, 4B, the cooling air flow is made uniform and the noise is reduced.

(57) Abstract:

COPYRIGHT: (C)1997,JPO

PROBLEM TO BE SOLVED: To provide a low noise self-ventilated main motor for vehicle which can deal with high capacity while enhancing the efficiency of axial fan.

SOLUTION: The guide ring 5 of axial fan 4A, 4B is cut off by a specified length and brought close to a short-circuit ring 8 and the inside diameter of guide ring 5 is set substantially equal to that of the short-circuit ring 8 thus suppressing the level difference. Consequently, vortex is eliminated, at the intake port and exhaust port of axial fan 4A, 4B and the efficiency thereof is enhanced. When wind holes 9 are made through the rotor core 1 at the positions corresponding to the blades

